SEQUENCE LISTING

<110> IMPERIALI, BARBARA
SHULTS, MELISSA D.

<120> FLUORESCENCE ASSAY FOR KINASE ACTIVITY

<130> 11127/6

<160> 11

<170> PATENTIN VERSION 3.1

<210> 1
<211> 7
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> PROTEIN KINASE C SUBSTRATE CONTAINING METAL BINDING RESIDUE (SOX)

<220>
<221> MISC_FEATURE
<222> (0)..(1)
<223> METAL BINDING AMINO ACID, SOX, OF FORMULA (I)

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> PHOSPHORYLATION SITE

<400> 1

PRO GLY SER PHE ARG ARG ARG
1 5

<210> 2
<211> 7
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>

<223> CYCLIC-AMP DEPENDENT KINASE (PKA) SUBSTRATE CONTAINING METAL BIND
ING AMINO ACID (SOX)

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> PHOSPHORYLATION SITE

<220>
<221> MISC_FEATURE
<222> (7)..()
<223> METAL BINDING AMINO ACID, SOX, OF FORMULA (I)

<400> 2

LEU ARG ARG ALA SER LEU PRO
1 5

<210> 3
<211> 7
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> PROTEIN KINASE C SUBSTRATE CONTAINING THE METAL BINDING AMINO ACI
D (SOX)

<220>
<221> MISC_FEATURE
<222> (0)..(1)
<223> METAL BINDING AMINO ACID, SOX, OF FORMULA (I)

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> PHOSPHORYLATION SITE

<400> 3

PRO GLY THR PHE ARG ARG ARG

1 5

<210> 4
<211> 12
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> ABELSON KINASE (ABL) SUBSTRATE CONTAINING THE METAL BINDING AMINO
ACID (SOX)

<220>
<221> MISC_FEATURE
<222> (0)..(1)
<223> METAL BINDING AMINO ACID, SOX, OF FORMULA (I)

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> PHOSPHORYLATION SITE

<400> 4

PRO GLY ILE TYR ALA ALA PRO PHE ALA LYS LYS LYS
1 5 10

<210> 5
<211> 5
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> RECOGNITION MOTIF FOR PROTEIN KINASE C (PKC)

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> XAA IS SER OR THR

<400> 5

XAA PHE ARG ARG ARG
1 5

<210> 6
<211> 6
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> RECOGNITION MOTIF FOR CYCLIC-AMP DEPENDENT KINASE (PKA)

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> XAA IS SER OR THR

<400> 6

LEU ARG ARG ALA XAA LEU
1 5

<210> 7
<211> 6
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> RECOGNITION MOTIF FOR ABELSON KINASE (ABL)

<400> 7

ILE TYR ALA ALA PRO PHE
1 5

<210> 8
<211> 4
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> SENSOR

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> XAA IS AN AMINO ACID OF FORMULA (I)

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> XAA IS INDEPENDENTLY AN AMINO ACID

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> XAA IS INDEPENDENTLY AN AMINO ACID

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> XAA IS A BOND OR AN AMINO ACID RESIDUE

<400> 8

XAA XAA XAA XAA
1

<210> 9
<211> 5
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> SENSOR

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> XAA IS AN AMINO ACID OF FORMULA (I)

<220>
<221> MISC_FEATURE
<222> (2)..(2)

<223> XAA IS INDEPENDENTLY AN AMINO ACID

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> XAA IS INDEPENDENTLY AN AMINO ACID

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> XAA IS A BOND OR AN AMINO ACID RESIDUE

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> XAA IS A HYDROXYL CONTAINING AMINO ACID

<400> 9

XAA XAA XAA XAA XAA
1 5

<210> 10
<211> 3
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> SENSOR

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> XAA IS AN INDEPENDENTLY AMINO ACID

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> XAA IS AN INDEPENDENTLY AN AMINO ACID

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> XAA IS AN AMINO ACID OF FORMULA (I)

<400> 10

XAA XAA XAA
1

<210> 11
<211> 5
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> SENSOR

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> XAA IS A HYDROXYL CONTAINING AMINO ACID

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> XAA IS A BOND OR AN AMINO ACID RESIDUE

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> XAA IS AN INDEPENDENTLY AN AMINO ACID

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> XAA IS AN INDEPENDENTLY AN AMINO ACID

<220>
<221> MISC_FEATURE
<222> (5)..(5)

<223> XAA IS AN AMINO ACID OF FORMULA (I)

<400> 11

XAA XAA XAA XAA XAA
1 5